## Approved For Release 2001/03/30 : CIA-RDP78T05439A000300060043-9

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## **Declass Review by NIMA/DOD**

TCS No. 1102/64-KH IB No. 26/64 15 January 1964 Copy

MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

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ATTENTION

THROUGH

Chief, Requirements Branch, Reconnaissance Group, CGS

FROM

: Chief, CIA/PID (NPIC)

SUBJECT

: Missile Transport Routes

REFERENCES

(1) ORR Requirement No. C-RR3-80,760

(2) CIA/PID Project No. C 1581/63

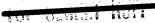
1. This memorandum is in response to the referenced requirement requesting that the area between the port of Gur'yev (47° 07'N - 51° 55'E) and the Tyura Tam Missile Test Range (45° 40'N - 63° 18'E) be explored to ascertain the feasibility of transporting very large Soviet space associated components via existing rail and road networks.

2. The rail line and road network, over which such an object as described above would have to be transported, were carefully scanned on

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following conclusions were reached:

- a. It is probably not feasible to transport very large space-associated components from Gur'yev to Tyura Tam by highways with the road network as it presently exists. The roads in the immediate vicinity of Gur'yev and Tyura Tam present no visible obstacles to such a move. However, they generally narrow to single-lane unimproved roads except in the immediate vicinity of large towns and cities, and would therefore present numerous serious problems in the transport of such a large load.
- b. At present, it would probably be impossible, without the removal of several obstacles, to transport very large Soviet space-associated components over the rail line which connects the port of Gur'yev with Tyura-Tam.
- c. The first major obstacle which would have to be removed is a highway bridge which crosses over the rail line in Sagiz ( $48^{\circ}$  17'N  $54^{\circ}$  57'E). There is no data available on the height of this bridge.



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However, there are no unusual construction features, such as long approach ramps, which would raise the bridge sufficiently above the rail line to allow passage of such a large object under the bridge. Bridge clearances on this line are estimated to be approximately

- d. The remaining obstacles to the transportation of any large object along this rail line are buildings. These buildings, all of which are small railroad stations, are located so close to the rail line that sufficient clearances do not exist to allow the rail road to transport such a large object past the stations.
- e. The following buildings were observed which, at present, appear to preclude the movement of the very large space-associated components via existing rail routes.
  - (1) Two small stations located 15 and 20 nm southeast of Kandahar (49° 29'N 57° 25'E).
  - (2) A small station located 5 nm northeast of Aral'sk (46° 48'N 61° 37'E).
  - (3) The small railroad station at Bay-Khozha,  $(45^{\circ} 45^{\circ}N 62^{\circ} 57^{\circ}E)$ .

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3. The analyst assigned to this project was may be contacted on extension 2546 should questions arise concerning this project. This memorandum partially answers the referenced requirement.

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